

# COOPER LIGHTING - METALUX®

## DESCRIPTION

The accord(TM) redefines fluorescent lighting by improving on aesthetics, comfort and energy savings. The accord(TM) provides the right amount of light while eliminating surface shadows commonly found in parabolics. Therefore, accord(TM) increases the comfort level while providing significant energy savings.

The accord(TM) is the ideal solution for offices, schools, hospitals, retail and other applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### A ... Construction

Shallow 3-1/4" deep housing is die formed of code gauge, prime cold rolled steel. Heavy gauge end plates are securely attached with screws for strength and rigidity and the elimination of gaps. Four auxiliary fixture end suspension points are provided. KO's for continuous row wiring. Large access plate for supply connection.

### B ... Electrical\*

Ballasts are Class "P" and are positively secured. Rotor-lock lampholders ensure positive lamp retention. UL/CUL listed. Suitable for damp locations.

### C ... Ballast Access

Ballast can be removed from below without tools.

### D ... Finish

Durable cold rolled steel with multistage, iron phosphate pretreatment and white enamel finish to ensure maximum bonding and rust inhibition.

### E ... Reflectors

Reflector has high reflectance baked matte white enamel finish for luminous uniformity.

### F ... Shielding

Positively retained frosted acrylic profile lenses provide a soft but effective distribution of light.

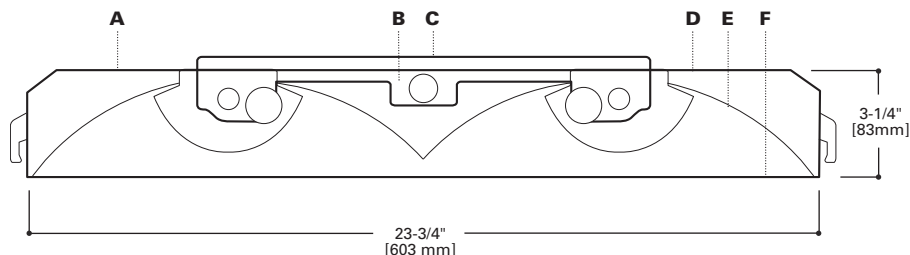
### G ... Air Return

Optional Air Return model provides air flow through air slots in the housing.



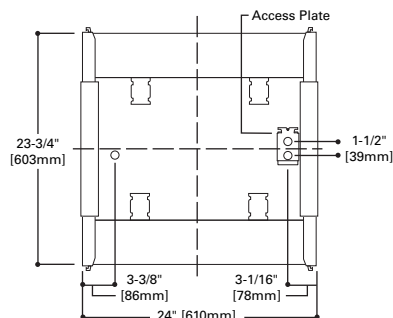
**2AC**  
**217T8**

**T8 LAMPS**  
**2' x 2' Recessed**  
**Troffer Series**

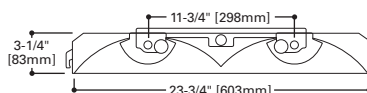


*accord*<sup>TM</sup>  
T5/T8 Enhanced Lighting Series

## MOUNTING DATA

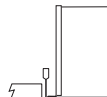


## LAMP CONFIGURATIONS



## CEILING COMPATIBILITY

**G**  
Grid/Lay-in  
Standard



**F**  
Drywall Frame  
Kit



**Ceiling  
Type\*\***  
Exposed Grid  
Concealed T  
Slot Grid  
Flange

**Trim  
Type**  
G  
G or T  
G or T  
\*\*\*

## ENERGY DATA

Input Watts:

**EB Ballast & STD Lamps @ 277V**  
217T8 (30)

Luminaire Efficacy Rating

**LER = FL69 LPW**

**Catalog Number: 2AC-217**

**Yearly Cost of 1000 lumens,**  
**3000 hrs at .08 KWH = \$3.47**

\*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

\*\*Consult Pre Sales Technical Support.

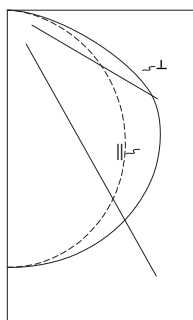
\*\*\*See Drywall Frame Kit Accessory

**LAMPS CONTAIN MERCURY. DISPOSE ACCORDING  
TO LOCAL, STATE OR FEDERAL LAWS**

**LINEAR DISCONNECT**  
Safe and convenient means of  
disconnecting power



## PHOTOMETRICS

**2AC-217**

Electronic Ballast

(2) F17T8/TL841 lamps  
1400 lumensSpacing criterion:  
(H) 1.2 x mounting  
height, (L) 1.4 x  
mounting height

Efficiency 84.3%

Test Report:  
2AC-217.IES

LER = FL-69 LPW

Yearly Cost of 1000  
lumens, 3000 hrs at  
.08 KWH = \$3.47**Candela**

Angle	Along H	45°	Across L
0	737	737	737
5	735	735	737
10	724	729	735
15	707	719	729
20	682	703	720
25	652	683	707
30	616	658	690
35	574	628	669
40	527	594	643
45	476	555	613
50	422	511	576
55	366	462	533
60	308	408	475
65	248	349	380
70	188	274	266
75	129	181	169
80	76	99	92
85	32	34	33
90	0	0	0

**Coefficients of Utilization**

rc	Effective floor cavity reflectance 20%											
	80%				70%				50%			
rw	70	50	30	10	70	50	30	10	50	30	10	0
RCR												
0	100	100	100	100	98	98	98	98	94	94	94	84
1	91	87	84	80	89	85	82	79	82	79	76	70
2	83	76	70	65	80	74	68	64	71	66	62	58
3	75	66	59	53	73	65	58	53	62	56	52	48
4	69	58	50	45	67	57	50	44	55	49	44	41
5	63	52	44	38	61	51	43	38	49	42	37	35
6	58	46	38	33	56	46	38	33	44	37	33	30
7	54	42	34	29	52	41	34	29	40	33	29	26
8	50	38	31	26	48	38	30	26	36	30	25	23
9	46	35	28	23	45	34	28	23	33	27	23	21
10	44	32	25	21	42	32	25	21	31	25	21	19

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	588	21.0	24.9
0-40	979	35.0	41.5
0-60	1813	64.7	76.8
0-90	2360	84.3	100.0
0-180	2360	84.3	100.0

**Luminance Data**

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1830	2134	2357
55	1735	2190	2526
65	1595	2245	2444
75	1355	1901	1775
85	998	1060	1029

## ORDERING INFORMATION

SAMPLE NUMBER: 2AC-217-UNV-EB82-U

**Rating**  
Blank= Standard  
NY=New York  
Rated  
ATW-SW4= Chicago  
Rated

**Width**  
2=2' Width

**Series**  
AC=Accord Series

**Type**  
A=Air (optional)

**Number of Lamps**  
(Not included)  
2=2 Lamp

**Wattage (Length)**  
17=17W T8 (24")

**Shielding**  
Blank=Frosted Acrylic  
SQP=Lens with Square  
Pattern Insert  
RDP=Lens with Round  
Pattern Insert

**Voltage<sup>(1)</sup>**  
UNV=Universal  
Voltage 120-277

**Options**  
GL=Single Element Fuse  
GM=Double Element Fuse  
Flex=Flex installed  
EL=Emergency Installed

**Lamps**  
L8835=T8 Lamp, 17W  
and 32W, 3500K  
L8841=T8 Lamp, 17W  
and 32W, 4100K  
L8835HL=T8 Lamp,  
32W, 3500K, 3100  
Lumens  
L8841HL=T8 Lamp,  
32W, 4100K, 3100  
Lumens

**Ballast Type**

EB8 =T8 Electronic Instant Start.  
Total Harmonic Distortion < 10%

No. of Ballast  
1 or 2

EB8\_/PLUS=T8 Electronic Instant Start.  
High Ballast Factor >1.13.Total  
Harmonic Distortion < 20%

No. of  
Ballast  
1 or 2

ER8 =T8 Electronic Program Rapid Start.  
Total Harmonic Distortion < 10%

No. of Ballast  
1 or 2

**HPT8 Ballast****Ballast**

HB8\_L=T8 Electronic Instant Start. Low Ballast Factor .77

HB8 =T8 Electronic Instant Start. Ballast Factor .88

HB8\_N=T8 Electronic Instant Start. Normal Ballast Factor 1.0

HB8\_H=T8 Electronic Instant Start. High Ballast Factor 1.15-1.2

HR8\_DIM=T8 Electronic Program Start Step Dimming. Ballast Factor .88

HR8\_L=T8 Electronic Program Start. Low Ballast Factor .77

HR8 =T8 Electronic Program Start. Ballast Factor .88

HR8\_H=T8 Electronic Program Start. High Ballast Factor 1.15-1.2

## SHIPPING DATA

Catalog No.	Wt.
2AC-217	28 lbs.